REMARKS

Favorable reconsideration of the application is respectfully requested in light of the amendments and remarks herein.

Upon entry of this amendment, claims 1-25 will be pending. No new matter has been added.

§103 Rejection of Claims 1-25

In Section 2 of the Office Action of January 17, 2007 (hereinafter referred to as "the Office Action"), claims 1-8, 10-19, and 21-25 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Gorsuch (U.S. Patent No. 6,526,034) in view of Pederson *et al.* (U.S. Patent No. 7,089,031; hereinafter referred to as "Pederson").

Embodiments of the present invention provide accessibility to multiple public network interface protocols (wireless air interfaces) including CDMA, Wi-Fi, and Wi-Max by providing a plurality of service interfaces within the router to automatically convert the signal going out and coming in according to the detected public network interface protocol. For example, "[a]fter opening a session between the user terminal 225 and a network service 205 through the gateway 215, the user terminal 225 and network service 205 send data to each other through the gateway 215. In sending data from the user terminal 225 to the network service 205, the user terminal 225 uses the application layer to generate data to send. The user terminal 225 uses the middleware layer to prepare the data for transmission (e.g., using TCP/IP for addressing and packetizing). The user terminal 225 uses the physical interface layer to send the data to the LAN interface 220. The LAN interface 220 passes the data to the gateway 215. ... The gateway 215 uses the routing layer to determine the recipient of the received data. The gateway 215 uses the

gateway services layer to process the data according to the determined recipient and matching

protocol. For example, when the application layer of the user terminal 225 does not match the

application layer of the network service 205 for the intended recipient (as established when the

session was opened), the gateway 215 uses a service interface of the gateway service layer to

convert data from one protocol or format to another. The gateway 205 uses the routing layer

again to prepare the data for the public network interface 210 and then sends the data to the

public network interface 210. The public network interface 210 passes the data to the network

service 205." *Specification, page 5, line 16 to page 6, line 6.*

For example, claim 1 as presented herein includes:

> *A wireless gateway* comprising:
>
> a local network interface using a <u>local network interface</u>
> <u>protocol</u>;
>
> a wireless interface <u>providing access to multiple public</u>
> <u>network interface protocols</u>;
>
> a controller connected to said local network interface and to
> said wireless interface, said <u>controller operating to</u>
> <u>detect a public network interface protocol currently in</u>
> <u>use</u> from said multiple public network interface
> protocols accessible to said wireless interface; and
>
> one or more service interfaces connected to said local
> network interface and to said wireless interface;
>
> wherein each service interface provides <u>automatic data</u>
> <u>conversion between the local network interface protocol</u>
> <u>and the detected public network interface protocol</u>.

In summary, aspects of claim 1 for a wireless gateway include: (1) a local network

interface using a local network interface protocol; (2) a wireless interface providing access to

multiple public network interface protocols; (3) a controller operating to detect a public network

interface protocol currently in use; and (4) at least one service interface providing automatic data

conversion between the local network interface protocol and the detected public network interface protocol. Accordingly, the wireless gateway of claim 1 provides the detection of a public network interface protocol currently in use (from multiple protocols accessible to the wireless public network interface) and the service of at least one service interface to provide automatic data conversion between the local network interface protocol and the detected public network interface protocol.

By contrast, the Office Action states that "Gorsuch fails to teach multiple public network interface protocols." The Office Action also states that Gorsuch discloses "a controller operating to detect a public network interface protocol currently in use from the public network interface protocol accessible to the wireless interface (Col. 2 line 55-Col. 3 line 65 and Col. 9 line 29-Col. 10 line 64)". However, Applicants disagree with these statements. It does not appear that Gorsuch discloses "a controller operating to detect a public network interface protocol currently in use from the public network interface protocol[s] accessible to the wireless interface" within the cited passages. Further, if Gorsuch does not disclose multiple public network interface protocols, then there would be no reason to detect "a public network interface protocol currently in use from the public network interface protocols accessible to the wireless interface." Pederson was merely cited for teaching "a wireless interface 62 (Fig. 3) providing access to multiple public network interface protocols". Accordingly, without commenting on the characterization of Pederson with respect to the multiple public network interface protocols, it is submitted that Gorsuch and Pederson, individually or in combination, fail to teach or suggest all of the limitations of claim 1.

Based on the foregoing discussion, claim 1 should therefore be allowable over Gorsuch and Pederson. Since independent claims 10, 21, and 25 recite similar limitations as recited in

claim 1, claims 10, 21, and 25 should also be allowable over Gorsuch and Pederson. Further, since claims 2-8, 11-19, and 22-24 depend from independent claims 1, 10, and 21, respectively, claims 2-8, 11-19, and 22-24 should also be allowable over Gorsuch and Pederson.

Accordingly, it is submitted that the rejection of claims 1-8, 10-19, and 21-25 based upon 35 U.S.C. §103(a) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

§103 Rejection of Claims 9 and 20

In Section 3 of the Office Action, claims 9 and 20 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Gorsuch in view of Pederson and further in view of Lee *et al.* (U.S. Patent Application No. 2002/0181416; hereinafter referred to as "Lee").

Based on the foregoing discussion regarding claims 1 and 10, and since claims 9 and 20 depend from claims 1 and 10, respectively, claims 9 and 20 should be allowable over Gorsuch and Pederson. Since Lee was merely cited for teaching the wireless interface that supports a Bluetooth connection, it is submitted that Gorsuch, Pederson, and Lee, individually or in combination, fail to teach or suggest all of the limitations of claims 9 and 20.

Accordingly, it is submitted that the rejection of claims 9 and 20 based upon 35 U.S.C. §103(a) has been overcome by the present remarks and withdrawal thereof is respectfully requested.
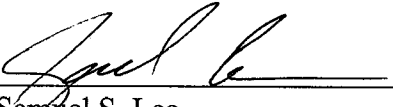
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Conclusion

In view of the foregoing, applicants respectfully request reconsideration of claims 1-25 in

view of the remarks and submit that all pending claims are presently in condition for allowance.

In the event that additional cooperation in this case may be helpful to complete its

prosecution, the Examiner is cordially invited to contact Applicant's representative at the

telephone number written below.

Respectfully submitted,

Dated: _____April 6, 2007_____   By: _____

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